

CLIMATOLOGICAL DATA FOR AUGUST, 1911.

DISTRICT No. 7, LOWER MISSISSIPPI VALLEY.

ISAAC M. CLINE, District Editor.

GENERAL SUMMARY.

Unseasonably warm weather prevailed throughout the district during the first and second decades, except that it was cool over the north-central and northeastern portions from the 1st to the 8th. From the 21st to the close of the month moderate temperatures prevailed generally, except that on the 30th and 31st maximum temperatures were much above the normal over the plains of the Colorado and New Mexico areas.

Periods of precipitation were not well defined. In the Colorado area from the 9th to 12th, 15th to 18th, and 20th to 25th, showers were general. Light scattered showers occurred on other dates also, the 6th being the only day when there was no precipitation within the area. In the New Mexico area there was one period of general showers, 21st to 28th. Scattered light showers occurred on other dates, but from the 6th to 8th and 30th and 31st there was no precipitation within the area. Over Oklahoma and the Kansas and Texas areas there were two periods of showers, from the 1st to the 5th and from the 22d to the 28th. From the 7th to the 20th the weather was generally clear, only a few light showers occurring. In Arkansas, and the Missouri and Tennessee areas, speaking generally, there were three periods of precipitation, 1st to 6th, 13th to 15th, and 19th to 28th. Scattered showers occurred on other dates, but no rain fell, in the Missouri area on the 10th and from the 29th to the 31st; in the Tennessee area on the 10th and 11th and 30th and 31st; and in Arkansas on the 8th and 9th and the 31st. In Louisiana and the Mississippi area, speaking generally, there were two periods of precipitation, 1st to 7th and 12th to 29th. During the first period the showers were generally light, but in the latter period the rains were heavy to excessive in many localities, especially in the southern portion of Louisiana. The precipitation over the district was entirely in the form of rain, except that a trace of snow was recorded at Garfield and 0.2 inch at Lake Moraine in the mountains of Colorado. Weather conditions were favorable during the month, except that in that portion of the district that lies in the Great Plains the excessively warm weather of the first and second decades was unfavorable for outdoor work and the excessive rains in the southern portion were damaging in some localities.

TEMPERATURE.

Mean temperatures for the month were above the normal by small amounts over the Texas and New Mexico areas, and in portions of other States in the district, but over most of the district except the two States mentioned there was a small deficiency. The greatest excess in mean temperature was over the New Mexico area and in the Texas Panhandle, and the greatest deficiency in east-central Oklahoma. The warmest weather occurred generally about the close of the second decade in the western and central portions of the district, and about the close

of the first decade over the eastern portion. The maximum temperatures were above 100° in all parts of the district, except in the southern portion, where they ranged between 95° and 100°. In Oklahoma and the Kansas and Texas areas the highest temperatures were above 105° at many stations, and above 110° in a few localities. The highest temperature for the district, 114°, occurred at Hugoton, Kans., and a maximum temperature of 111° was recorded at Healdton, Okla. The lowest readings were generally below 50° in the Colorado and New Mexico areas, and below 40° in the more elevated localities. Over the remainder of the district monthly minimum temperatures ranged from 48° to 60°, except that in the southern portion they were generally between 60° and 70°. The lowest temperature recorded during the month was 28° at Elizabethtown, N. Mex., and 30° was recorded at Lake Moraine, Colo.

Monthly mean temperatures and departures from the normal for the various States and parts of States are reported as follows: Colorado area, 62.8°, -0.5°; New Mexico area, 71.5°, +0.4°; Texas area, 78.8°, +1.0°; Kansas area, 76.7°, -1.4°; Oklahoma, 79.6°, -1.2°; Missouri area, 75.2°, -1.5°; Tennessee area, 77.4°, -0.8°; Arkansas, 78.0°, -1.6°; Mississippi area, 79.5°, -0.7°; Louisiana, 81.5°, -0.1°.

PRECIPITATION BY DRAINAGE AREAS.

Arkansas River and tributaries.—Heavy precipitation occurred over portions of this drainage area, but the amounts were unevenly distributed. Over the headwaters of the Arkansas River in Colorado the average from 35 stations was 2.11 inches, about the normal amount. Heavy precipitation occurred in some localities over those portions of the Arkansas Valley proper that lie in Kansas and Oklahoma, the average from 44 stations being 4 inches, about 1 inch above the normal. The average from 19 stations in the Cimarron Valley was 3.99 inches, about 1.6 inches above the normal. Over the Canadian Valley the precipitation was uniformly distributed, the average from 69 stations being 2.79 inches, about 0.3 inch below the normal. Nearly the normal amount of precipitation occurred over the Verdigris Valley, the average from 10 stations being 3.34 inches. Excessive rains occurred over the headwaters of the Neosho River in Missouri, but there was less than the normal at some stations over the lower stretches of this valley, the average from 16 stations being 5.54 inches, about 2.1 inches above the normal. Below the Oklahoma-Arkansas line heavy precipitation occurred generally, the average from 15 stations being 7.05 inches, about 3.3 inches above the normal.

Red River and tributaries.—More than the normal amount of precipitation occurred generally throughout this drainage area. Over those portions of the valley that lie in New Mexico, Texas, and Oklahoma the average from 43 stations was 2.81 inches, about 1.5 inches

above the normal. Over the lower reaches of the Red River in Arkansas and Louisiana the precipitation was heavier, the average from 18 stations being 5.33 inches, about 3.2 inches above the normal.

Mississippi River south of St. Louis and small tributaries.—Heavy precipitation occurred over this drainage area, except at a few widely scattered stations. In the immediate Mississippi Valley the amounts from 41 stations averaged 5.95 inches, about 2.5 inches above the normal. Over the Valley of the Meramec there was an excess of about half an inch. The average from 22 stations in the Valley of the White was 9.44 inches, about 5.8 inches above the normal; more than 10 inches occurred at 7 stations. Over the Yazoo Valley the average from 29 stations was 7.32 inches, about 4 inches in excess of the normal. The average precipitation over the Valley of the Big Black was 4.35 inches, about the normal amount. The precipitation from 19 stations in the Ouachita Valley averaged 6.96 inches, about 3.3 inches above the normal.

Louisiana coastal plain.—The precipitation was unevenly distributed over this drainage area, the average from 33 stations being 9.11 inches, about 3.8 inches above the normal. More than 10 inches occurred at 8 stations, and 1 station, Donaldsonville, received 28.50 inches.

Monthly precipitation and departures from the normal for the various States and parts of States (in inches) are reported as follows: Colorado area, 2.18, +0.07; New Mexico area, 2.59, -0.13; Texas area, 2.64, +0.70; Kansas area, 3.43, +0.42; Oklahoma, 3.91, +1.30; Missouri area, 6.34, +2.81; Tennessee, 5.92, +2.96; Arkansas, 8.19, +4.37; Mississippi area, 6.65, +2.27; Louisiana, 8.01, +3.63.

RIVERS.

No floods occurred in the Arkansas River during the month, but there were freshets in some of the smaller tributaries as a result of heavy local rains. In Oklahoma

the Arkansas River was near the flood stage in the first decade, but the water fell rapidly and the stages were about normal during the latter part of the month. The lower Arkansas was navigable during the greater part of the month.

Two floods occurred in the upper White River, one on the 15th and 16th and the other on the 23d and 24th. At Calico Rock there was a rise of 21.8 feet in 24 hours, ending at 7 a. m. on the 15th, to a stage of 25.6 feet, being 7.6 feet above the flood stage, and a corresponding rise occurred in Batesville on the 15th and 16th with a maximum stage of 28.4 feet, 10.4 feet above the flood stage. The second flood was not so severe. The damage caused by the floods in the upper White River on the 15th appears to have been confined to farms in the bottoms between Calico Rock and Batesville. Losses of cotton, corn, and hay were incurred in the overflowed section to the amount of several thousand dollars.

Changes in the Red River were slight and low stages prevailed throughout the month, except that there were slight rises in the stretches of this river that lie in Texas and Oklahoma.

No material change occurred in the Ouachita River except that there was a slight rise at the close of the month.

Below St. Louis the Mississippi River was at a comparatively low stage throughout the month.

NOTES.

Missouri (George Reeder, section director).—Weather conditions were generally favorable for all interests, except that there was some damage from excessive rains during the first part of the month.

Arkansas (H. F. Alciatore, section director).—Excessive rains occurred, being damaging in many localities. This was the wettest August in Arkansas during the last 21 years.

TABLE 1.—*Climatological data for August, 1911. District No. 7, lower Mississippi Valley.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.								Precipitation, in inches.								Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.		Lowest.		Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.		Total snowfall, unmeasured.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.					
						Date.	Highest.	Date.	Lowest.				Total.	Departure from the normal.	Greatest in 24 hours.										
<i>Colorado.</i>																									
Blaine.....	Baca.....	3,935	19	75.0	-0.8	105	20	47	28	38	3.71	+1.92	1.60	0	4	15	11	5	5	s.	M. M. Myers.				
Buena Vista.....	Chaffee.....	7,955	11	57.2	-1.0	80	8	35	26	41	1.53	+0.41	0.62	0	9	25	5	1	s.	C. A. Short.					
Calhan.....	El Paso.....	6,700	4																	n.	H. B. Rice.				
Canon City.....	Fremont.....	5,343	23	71.6	-0.9	98	8†	49	25	40	1.80	+0.02	0.82	0	6	24	5	2			G. C. Sherwood.				
Colorado Springs.....	El Paso.....	6,098	31	65.5	-1.4	91	8	42	25	37	1.09	-1.05	0.56	0	9	9	16	6		Colorado College.					
Cripple Creek.....	Teller.....	9,396	10								2.19	-0.62	0.84	0	7	18	11	2		F. G. Willis.					
Cuchara Camps.....	Huerfano.....	8,200	2								0.88	-0.38	0	5						George A. Mayes.					
Eads.....	Kiowa.....	4,209	4																	W. H. Lauck.					
Fairview.....	Custer.....	9,500	2								4.66		2.20	0	8	5	24	2	e.	Elizabeth L. Gray.					
Fremont Exp. Station.....	El Paso.....	8,850	1	57.0		80	8	34	28	34	2.03		0.94	0	15	13	8	10	w.	U. S. Forest Service.					
Garfield.....	Chaffee.....	9,510	1								3.00		1.37	T.	15	24	5	2	w.	Lloyd N. Feltow.					
Hamps.....	Elbert.....	5,400	18	66.0		94	8	42	29	44	4.22	+2.14	1.72	0	7	19	8	4	s.	W. Hamp.					
Hermit Lake.....	Custer.....	10,000	1								1.11	-0.72	0.33	0	6	22	5	4	sw.	John E. Graham.					
Hoehne (near).....	Prowers.....	5,700	19	71.4	+1.8	100	8	46	24	45	3.14	+1.58	0.86	0	8	21	6	4	se.	S. W. DeBusk.					
Holly.....	Otero.....	3,380	16	73.5	-1.0	103	9†	51	31	44	1.45	-0.62	0.50	0	5					Holly Sugar Co.					
La Junta.....	El Paso.....	4,052									2.46	+1.20	1.50	0	6	19	11	1	w.	Fred B. Mason.					
Lake Moraine.....	Prowers.....	10,263	17	53.2	-0.1	75	20	30	28	32	2.84	-0.68	0.58	0.2	12	6	15	10	sw.	Clyde C. McReynolds.					
Lamar.....	El Paso.....	3,592	21	77.0	0.0	107	20	50	44	46	2.41	+0.51	1.02	0	5	15	9	7	se.	J. T. Lawless.					
Las Animas.....	Bent.....	3,899	43	76.4	+0.7	107	9	48	30	49	1.44	-0.27	0.37	0	7	12	5	14	ne.	F. M. Tague.					
La Veta Pass.....	Costilla.....	9,000	1								3.01		1.01		13	0	9	22	w.	Clara M. Wright.					
Leadville.....	Lake.....	10,248	15	52.6	-0.7	75	8	32	3	38	2.89	+1.38	0.61	0	15	12	14	5	s.	U. S. Weather Bureau.					
Limon (near).....	Elbert.....	5,360	4	67.4		96	8	41	28†	44	1.73		0.43		12	15	11	5		R. L. Palmer.					
Madrid.....	Las Animas.....	1									1.14		0.32	0	7					Thos. Sawers.					
Marshall Pass.....	Saguache.....	10,846	8								2.46	+1.20	1.50	0	6	19	11	1	w.	William D. Lillard.					
Monument.....	El Paso.....	7,200	61.8								2.69	+0.52	0.75	0	9	10	12	9	se.	U. S. Forest Service.					
North Lake.....	Las Animas.....	8,700	19								2.28	-0.55	0.78	0	4	26	2	3	nw.	Jas. W. Ingmire.					
Pueblo.....	Pueblo.....	4,734	23	72.4	+0.3	98	15	47	29	40	0.37	-1.20	0.22	0	7	15	11	5	se.	U. S. Weather Bureau.					
Rocky Ford (near).....	Otero.....	4,177	22	73.1	-0.8	100	18	47	29	47	0.69	-0.73	0.35	0	4	21	6	5	e.	P. K. Blinn.					
St. Elmo.....	Chaffee.....	9,500	2								2.76		0.87	0	13	13	11	7	sw.	Daniel Clark.					
Salida.....	do.....	7,035	12	61.2	-3.2	88	8†	35	26	50	1.14	-0.32	0.73	0	5	23	5	3	w.	M. D. L. Buell.					
Santa Clara.....	Huerfano.....	8,252	16	62.3	-0.3	89	8	41	24†	42	2.35	-0.50	0.60	0	9	7	22	2		Lincoln G. Morris.					
Sheridan Lake.....	Kiowa.....	4,065	9								2.82		0.74	0	14	11	10	10		Howard Gamble.					
Stonewall.....	Las Animas.....	8,000	5								2.69	+0.52	0.75	0	7					G. A. Storz.					
Trinidad.....	do.....	5,994	15								3.14	-0.57	0.90	0	11	20	10	1	w.	Mrs. Mattie H. Butler.					
Victor.....	Teller.....	10,100	7	57.0	-2.2	81	9	37	24	34	3.14	-0.57	0.90	0	11					Fred Jones.					
Vilas.....	Baca.....	3,935	20								0.91		0.28	0	6	12	16	3	se.	Carrie Konkel.					
Wayne.....	El Paso.....	7,864	17	61.3	+0.9	89	15	34	29	50	1.50	-0.07	0.52	0	10	8	18	5	nw.	J. C. Groff.					
Westcliffe.....	Custer.....	7,864	17	61.3	+0.9	89	15	34	29	50	2.52		0.31	0	15	1 ^a	12 ^a	17 ^a	w.	Zack Jordan.					
Winfield.....	Chaffee.....	9,765	1								1.87		0.48	0	9	11	12	8	s.	John G. Payne.					
Woodman Sanatorium.....	El Paso.....	6,660	66.3								2.36	-0.79	0.50	0	11	0	31	0	uw.	Dr. J. E. White.					
Wortman.....	Lake.....	11,250	10																	George C. Wortman.					
<i>New Mexico.</i>																									
Abbott.....	Mora.....	5,771	2								2.02		0.75	0	6	19	9	3	s.	Agent E. P. & S. W. R. R.					
Albert.....	Union.....	4,700	20	77.8	+1.3	102	6†	52	23	41	2.49	+0.06	1.20	0	4	20	6	5	w.	Andrew Knell.					
Aurora.....	Colfax.....	8,849	2								2.70		0.64	0	15	1	28	2	sw.	Juanita Lucero.					
Bell Ranch.....	San Miguel.....	4,500	12	77.2		103	8	51	23	43	1.43	-0.54	0.68	0	6	17	10	4	s.	C. M. O'Donel.					
Black Lake.....	Colfax.....	8,348	2								2.29		0.67	0	8	6	24	1	w.	Ralph T. Martinez.					
Cabeza.....	San Miguel.....	5,406	2								2.00		1.10	0	3	19	8	4	sw.	Agent E. P. & S. W. R. R.					
Campana.....	do.....	4,493	2								1.62		0.80	0	5	8	18	5	sw.	Do.					
Chacon.....	Mora.....	9,000	2								2.97		0.90	0	8	7	21	3	s.	Alfred Lucero.					
Cimarron (near).....	Colfax.....	6,385	7	66.6		90	9	44	26	40	3.28		0.90	0	11	9	17	5	sw.	William French.					
Clayton.....	Union.....	5,178	6	73.5		100	14	46	28	41	3.03		0.91	0	4	20	7	4	s.	Dr. W. W. Chilton.					
Clovis.....	Curry.....	4,129	7	78.7		104	6†	52	30	42	2.23		1.70	0	3	24	2	5	se.	J. R. Barry.					
Cuervo.....	Guadalupe.....	4,849	2	78.6		102	8	52	23†	37	2.28		0.98	0	7	11	17	3	s.	Agent E. P. & S. W. R. R.					
Dawson.....	Colfax.....	6,396	2								1.45		0.60	0	5	10	18	3	sw.	Do.					
Elizabethtown.....	do.....	8,465	5	55.3		84	14	28	4	51	3.30		1.20	0	9	12	16	3	sw.	Mabel Carrington.					
Folsom.....	Union.....	6,399	11	68.6	+0.8	93	8†	45	26	38	2.35	-0.26	0.50	0	10	23	7	1	sw.	David Rose.					
Fort Union.....	Mora.....	6,835	5	64.4	-2.5	91	15	41	26	46	2.36	-1.52	0.60	0	7	20	7	4	sw.	M. C. Needham.					
Hayden.....	Union.....	4,444	2	75.2		102	21	48	28	41	2.27		0.80	0	8	14	14	3	w.	J. B. Dickeson.					
Hoosier Ranch.....	Mora.....										3.47		1.90	0	5	15	12	4	sw.	W. H. Gutman.					
Johnsons Park.....	Colfax.....	6,723	2								2.58		1.30	0	6	19	9	3	sw.	A. J. Meloche, Jr.					
Kappus.....	Colfax.....	4,010	1								2.25		1.60	0	3					Anthony Kappus.					
Lake Alice.....	Colfax.....	7,160	2								2.61		0.55	0	10	10	9	11	w.	John Campbell.					
Logan.....	Quay.....	3,851	5	78.8		104	6†	53	23	40	3.90		1.83	0	4	26	1	3	se.	John B. Renaeu.					
Los Alamos.....	San Miguel.....	6,769	6								1.62		0.55	0	4					Antonio Pacheco.					
Lykins (near).....	Roosevelt.....	5,000	1								2.72		0.81	0	9					J. G. Buchanan.					
Maxwell (near).....	Colfax.....</td																								

TABLE 1.—*Climatological data for August, 1911. District No. 7—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.				
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmetted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.				
<i>Texas.</i>																						
Amarillo.	Potter.	3,670	19	75.8	+ 1.2	102	6	54	28	38	2.97	+ 0.16	2.63	0	5	18	11	2	se.	U. S. Weather Bureau.		
Archer City.	Archer.	1									4.59		2.74	0	5	19	7	5	s.	Charles H. Thuman.		
Arthur City.	Lamar.	590	19	84.7		112	22	61	29	40	2.33	+ 0.33	2.02	0	7	17	2	12	s.	V. V. Bright.		
Bonham.	Fannin.	566	8								3.83		2.25	0	5					H. M. Norman.		
Canadian.	Hemphill.	2,339	4								1.25			0	2					Canadian Academy.		
Childress.	Childress.	1,863	18								2.35	+ 0.34	0.95	0	4	23	3	5	s.	W. E. Davis.		
Chillicothe.	Hardeman.	1,406	3								3.41		2.37	0	6					A. B. Connor.		
Clarendon.	Donley.	2,719	6	78.4		106	20†	57	24†	40	2.09		0.89	0	6	19	8	4	ne.	Whitfield Carhart.		
Clarksville.	Red River.	442	11			107	10	60	1		3.55	+ 1.04	1.75	0	3					J. W. O'Neill.		
Claude.	Armstrong.	3,397	6	74.9		104	8	49	28†	42	1.92		4.44	+ 1.40	1.64	0	6	23	0	8	sw.	F. L. Kennard.
Dalhart.	Dallam.	3,998	6								0.36		0.20		0	2	16	2	13	s.	E. B. Wilson.	
Denton.	Grayson.	11									3.66	+ 1.21	2.50	0	8	15	7	9	s.	Robert L. Smith.		
Finley.	Bowie.	1																		C. K. Brown.		
Henrietta.	Clay.	915	19	83.8	- 0.1	108	20†	63	29†	34	3.63		1.20	0	6					A. C. Elliott.		
Hereford.	Deaf Smith.	3,750	6								2.50		1.25	0	3	15	0	16	s.	P. G. Ruff.		
Lewis Ferry.	Bowie.										0.85		0	5	26	3	2			Ft. W. & D. C. Ry.		
Memphis.	Hall.	2,067	6	78.6		103	6†	56	30	36	1.75		2.00	0	5	26	2	3	s.	J. E. Kinney.		
Miami.	Roberts.	2,743	5	78.3		107	19	56	23†	40	1.70		1.70	0	1	26	0	5	s.	Dr. W. J. Joss.		
Mobeetie.	Wheeler.	17																		Rev. P. A. Kaelin.		
Nazareth.	Castro.	5																		S. J. Allen.		
Ochiltree.	Ochiltree.	3																		B. E. Finley.		
Pampa.	Gray.	3,226	2																	J. Sid O'Keefe.		
Panhandle.	Carson.	3,450	2																	Robert A. Miller.		
Paris.	Lamar.	592	22	82.8	+ 0.5	105	9†	59	31	34	4.20	+ 1.86	2.25	0	9	17	3	11	s.	C. S. Solomon.		
Plemons.	Hutchinson.	4	76.8			104	20†	53	28	39	2.45		1.01	0	5	22	6	3	se.	William H. Crawford.		
Quanah.	Hardeman.	1,563	6	83.7		108	20	58	29	31	1.60		1.35	0	2	17	10	4	ne.	H. J. Palmer.		
Ringo Crossing.	Hopkins.	1																	R. S. Chamberlain.			
Romero.	Hartley.	1	75.9		104	21	50	28	40	2.52		1.58	0	5	20	9	2	se.	R. A. Gibbs.			
Sherman.	Grayson.	745	18	83.6	+ 1.6	103	10†	61	27	30	6.82	+ 4.27	2.60	0	10	17	4	10	s.	J. W. Elliott.		
Stratford.	Sherman.	3,099	13	75.4		102	20	53	30†	39	1.60		1.60	0	6	16	11	4	se.	John Neely.		
Sulphur Springs.	Hopkins.	530	17	75.8		103	8†	50	28†	41	3.51		2.10	0	6	16	11	4	se.	Ft. W. & D. C. Ry.		
Texline.	Dallam.	4,694	6																	Lou Mulhall.		
Tulia.	Swisher.	3,501	13	75.4		102	20	53	30†	39	1.32	- 0.50	0.85	0	5	17	12	2	se.	R. A. Thompson.		
Wichita Falls.	Wichita.	958	19								1.87	+ 0.13	0.55	0	3	23	6	3	s.	J. C. Bostick.		
Winfield.	Titus.	1									1.35		0.44	0	5	14	13	4	s.			
<i>Kansas.</i>																						
Alden.	Rice.	1,684	1	77.5		107	21	48	30	41	4.41	+ 1.25	1.94	0	4	23	0	8	se.	L. B. Wait.		
Anthony.	Harper.	1,329	14								1.61		0.99	0	8	19	8	4	sw.	R. H. Beebe.		
Ashland.	Clark.	1,951	23	77.1	- 2.5	107	20	51	30	43	6.32	+ 3.90	2.55	0	7	21	7	3	s.	G. W. Carson.		
Burlington.	Coffey.	1,010	18	77.5	- 0.5	101	9†	46	29	42	3.23	- 1.40	1.51	0	4	4	27	0	s.	O. E. Sanford.		
Chanute.	Neosho.	940	7	76.1		98	10	45	29	37	6.35		5.30	0	3	12	17	2	se.	C. W. Brown.		
Coldwater.	Comanche.	2,090	14	77.2	- 2.9	104	20	52	29	33	5.47	+ 3.09	1.81	0	7	25	3	3	se.	J. L. Stanley.		
Columbus.	Cherokee.	808	21	75.0	- 2.4	95	11†	49	29	36	2.74	+ 2.75	3.12	0	9	17	8	6	se.	O. E. Skinner.		
Coolidge.	Hamilton.	3,348	14	74.5	- 1.8	109	20	49	31	46	2.78	+ 0.87	1.12	0	5	15	12	4	se.	W. R. Padley.		
Cottonwood Falls.	Chase.	1,234	7	76.9		103	21	44	29	37	4.36		1.60	0	9	23	4	4	s.	E. B. Greene.		
Council Grove.	Morris.	1,234	2	77.3		105	9	45	29	45	3.64		1.35	0	7	13	12	6	sw.	J. P. Blackledge.		
Cunningham.	Kingman.	1,680	27	77.8	- 0.6	106	21	48	29	38	4.65	+ 1.74	2.90	0	4	20	9	2	s.	W. H. Morton.		
Dodge City.	Ford.	2,513	37	75.0	- 1.5	102	20	51	29	32	2.21	- 0.38	0.87	0	6	14	13	4	se.	U. S. Weather Bureau.		
El Dorado.	Butler.	1,291	9	76.3		99	21	46	29	32	3.67		1.92	0	7	18	12	1	se.	W. Y. Miller.		
Ellinwood.	Barton.	1,790	36	77.3	- 0.5	103	20	43	29	30	2.50	- 0.58	1.21	0	5	12	18	1	se.	Martin Musil.		
Emporia.	Lyons.	1,128	30	77.6	+ 1.0	104	10	48	29	36	3.11	- 0.72	1.06	0	7	19	11	1	se.	W. H. Boyles.		
Eureka.	Greenwood.	1,079	15	75.8		99	9†	43	29	41	2.13	- 1.06	0.80	0	4	20	10	1	se.	W. S. Moonlight.		
Fall River.	do.	925	15	76.6	- 1.6	99	9†	44	29	42	3.05	- 0.11	0.75	0	6	23	8	0	s.	J. McDaniel.		
Fargo.	Seward.	1									6.16		1.83	0	5	21	9	1	s.	N. B. Swink.		
Frederonia.	Wilson.	864	8	76.8		98	10	49	29	37	3.19		1.98	0	5	22	5	4	ne.	B. W. Holmes.		
Garden City.	Finney.	2,836	22	75.2	- 1.3	106	19	51	25	48	1.89	+ 0.10	0.57	0	7	15	13	3	s.	B. F. Stocks.		
Great Bend.	Barton.	1,850	2								3.77		2.70	0	5	23	4	4	se.	I. Pritchard.		
Greensburg.	Kiowa.	2,235	4	76.5		104	20	50	29	36	3.98		1.85	0	6	24	4	3	s.	C. C. Raymond.		
Grenola.	Elk.	1,116	23	76.4	- 1.5	102	21	47	30	40	2.28	- 0.69	1.32	0	5	19	8	4	se.	W. H. Lawyer.		
Hess.	Gray.	2,700	5																	Fred Mallonee.		
Howard.	Elk.	1,112	4								2.73		2.00	0	4	24	4	3	se.	J. W. Eby.		
Hugoton.	Stevens.	7	75.5			114	20	48	28	50	2.73		0.79	0	7	17	10	4	s.	E. M. Anderson.		
Hutchinson.	Reno.	1,535	21	72.0	- 0.8	105	21	45	29	39	3.29	- 0.49	1.32	0	5	23	5	3	se.	E. S. Webster.		
Independence.	Montgomery.	800	37	76.9	- 2.9	99	20	45	30	41	3.04	- 0.11	1.22	0	6	16	6	9	se.	F. L. Kenoyer.		
Iola.	Allen.	984	5	76.3	0.0	97	9	47	29	35	3.85	+ 0.38	2.82	0	6	17	9	5	s.	U. S. Weather Bureau.		
Irene.	Hamilton.	3,440	1	75.8		105	8†	50	29	43	3.03		1.18	0	8	10	11	10	se.	N. M. Herbig.		
Jetmore.	Hodgeman.	2,268	10	76.4		106	20	47	29	38	3.61	- 0.51	0.90	0	5	16	12	3	sw.	James Aiken.		
Kingman.	Kingman.	1,504	3	78.1		106	21	47	29	36	3.67		2.51	0	5	16	12	3	sw.	B. B. Anawalt.		
Rush.	Rush.	2,061	9	76.8		103	15	45	29	38	4.38		1.45	0	8	20	8	3	se.	Rodney Torrey.		
Lakin.	Kearny.	2,993	21	75.1	- 2.2	108	20	49	25	43	4.48	- 0.44	0.60	0</td								

TABLE 1.—Climatological data for August, 1911. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Sky.	Prevailing wind direction.	Observers.				
				Mean.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Greatest in 24 hours.	Departure from the normal.	Total snowfall, unmeted.	Number of rainy days.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<i>Oklahoma.</i>																				
Ada.	Pontotoc.	1,001	3	80.8	107	21	57	30	35	3.86	1.41	0	5	15	13	3	s.	W. S. Creveling.		
Alva.	Woods.	1,350	6	77.5	107	21	47	24	35	6.87	2.80	0	7	23	0	8	e.	S. A. Stech.		
Apache.	Caddo.	1,255	2	80.2	106	20†	53	30	37	0.45	0.45	0	5	25	3	3	se.	G. D. Teeter.		
Arapaho.	Custer.	1,575	17	80.0	-1.3	109	20	46	30	54	3.63	+ 1.59	1.40	0	6	24	3	s.	J. C. Brower.	
Ardmore.	Carter.	872	10	84.2	+ 0.9	110	21	60	30	36	7.59	+ 4.91	2.70	0	9	18	3	s.	H. T. Nisbett.	
Arnett.	Ellis.	2,136	7	74.6	103	20	51	22†	39	2.52	0.90	0	6	25	3	3	se.	C. H. Holmes.		
Bartlesville.	Washington.	687	3	78.2	105	10	48	30	39	3.83	1.45	0	6	24	3	4	se.	Dr. A. P. Owens.		
Beaver.	Beaver.	2,500	15	78.2	-2.8	108	20	54	30	39	3.26	+ 0.90	1.26	0	7	23	5	s.	W. C. Frazer.	
Blackburn.	Pawnee.	890	10	80.4	-1.0	107	21	50	30	35	9.23	+ 5.62	2.58	0	6	23	2	6	se.	John Landis.
Cache.	Comanche.	1,350	5	78.2	103	...	52	...	37°	2.28	1.52	0	3	20	3	5	s.	Mrs. Frank Rush.		
Calvin.	Hughes.	713	6	81.6	107	20†	53	30	34	3.76	1.20	0	8	18	1	12	s.	Thomas Purcell.		
Chandler.	Lincoln.	865	10	80.6	-1.0	107	20†	53	30	34	2.97	-0.39	0.93	0	5	21	1	9	s.	Chas. L. Kern.
Chattanooga.	Comanche.	1,150	5	83.9	110	20	58	30	43	2.45	-0.45	1.20	0	6	30	1	0	e.	Squire Humble.	
Chickasha.	Grady.	1,091	10	82.6	-0.7	108	10†	55	30	38	1.52	0.59	0	6	21	7	3	se.	J. C. Good.	
Cloud Chief.	Washita.	1,400	9	80.6	107	20	54	29	41	1.97	-0.31	1.14	0	3	22	6	3	ne.	J. P. Stutzman.	
Durant.	Bryan.	643	10	82.0	0.0	108	21	60	30†	36	4.04	+ 1.20	1.65	0	11	19	6	s.	Nelson Houk.	
Eldorado.	Jackson.	1,456	4	82.6	107	6†	58	29	37	2.16	-0.65	0	5	18	11	2	se.	T. W. Lanham.		
Els City.	Beckham.	78.0	1	101	53	... ³³	53	30	34	0	0	0	11	5	6	6	s.	R. S. Carlile.		
El Reno.	Canadian.	1,400	20	81.5	+ 1.4	109	20	54	29	36	2.39	-0.60	0.91	0	6	24	7	0	ne.	A. W. Hanes.
Enid.	Garfield.	1,269	10	78.4	-2.8	105	20	49	30	42	4.99	+ 1.71	1.52	0	8	24	6	1	s.	C. W. Prier.
Erick.	Beckham.	2,058	6	78.6	109	20	53	29	38	1.69	-0.31	1.53	0	3	21	7	3	s.	John T. Welsh.	
Fairland.	Ottawa.	839	11	77.0	-2.4	100	10	49	29	34	3.86	-0.43	1.57	0	6	18	9	4	s.	Bobt. Holmes.
Fort Gibson.	Muskogee.	556	6	83.6	109	20	57	29	37	4.27	-0.27	1.77	0	6	22	6	3	se.	R. E. Ellis.	
Frederick.	Tillman.	1,293	5	83.6	109	20	57	29	37	4.27	-0.27	1.77	0	6	19	4	8	s.	Mrs. M. C. Parks.	
Goodwell.	Texas.	3,300	1	76.8	105	20	50	28	43	2.59	-0.77	0	6	19	4	8	s.	Leland Turnbull.		
Guthrie.	Logan.	1,000	18	81.4	0.0	110	20	51	30	41	3.50	+ 0.62	1.25	0	6	25	0	6	s.	Eula L. Rutherford.
Guymon.	Texas.	3,133	2	77.0	106	20	51	28	45	2.74	-0.82	0	8	17	12	2	s.	A. L. Mordt.		
Harrington.	Roger Mills.	2,200	7	76.8	103	20	51	29	35	1.24	-0.58	0	5	20	8	3	sw.	T. Compton.		
Hartshorne.	Pittsburg.	700	12	81.4	-2.6	103	10†	56	30	31	3.74	+ 0.42	2.55	0	7	17	7	n.	Robt. Holmes.	
Headton.	Carter.	900	17	82.3	+ 0.1	111	20	57	30	43	10.05	+ 7.35	5.05	0	6	18	12	1	ne.	C. H. Head.
Helena.	Alfalfa.	1,396	3	78.0	104	20†	49	29	34	5.83	-0.31	2.58	0	6	21	9	1	s.	R. E. Ellis.	
Hennessey.	Kingfisher.	1,166	16	77.8	-4.3	107	21	47	22	43	2.57	-0.31	1.14	0	5	13	18	0	s.	Mrs. A. C. Parks.
Hobart.	Kiowa.	1,396	8	80.6	106	20†	54	29	37	2.82	-0.31	1.42	0	6	20	8	3	se.	Leland Turnbull.	
Holdenville.	Hughes.	900	10	80.8	-0.3	109	21	56	30	34	3.92	+ 0.11	1.82	0	8	17	12	2	s.	Eula L. Rutherford.
Hooker.	Texas.	3,038	5	77.0	110	20	51	28	45	2.74	-0.82	0	5	16	0	15	se.	H. N. Kelly.		
Hurley.	Cimarron.	4,200	3	76.2	103	8†	48	28	41	2.12	-0.67	0	4	8	21	2	sw.	Dr. C. W. Meyers.		
Idabel.	McCurdy.	474	3	82.4	109	11	59	30†	33	3.70	-0.66	2.06	0	5	24	3	4	e.	M. L. Henderson.	
Jefferson.	Grant.	1,062	17	76.5	-4.5	102	21	45	29	44	4.49	+ 1.08	1.24	0	8	20	10	1	s.	T. E. Beck.
Kenton.	Cimarron.	4,000	10	74.8	-1.1	102	20	48	48	48	4.08	-1.06	0.64	0	4	23	3	3	s.	Wm. M. Guy.
Kingfisher.	Kingfisher.	1,046	14	81.0	-1.1	109	20	52	29	37	3.43	+ 0.72	1.20	0	7	20	7	4	s.	J. C. Cross.
McAlester.	Pittsburg.	698	15	82.1	106	20†	57	30	34	5.02	+ 1.72	2.55	0	9	23	3	5	n.	Wm. Noble.	
McComb.	Pottawatomie.	1,200	17	82.0	106	20	50	28	37	3.36	-2.20	0.20	0	2	20	4	7	se.	J. E. McNair.	
Mangum.	Greer.	1,585	18	83.2	+ 1.1	108	20	56	28†	37	0.36	-2.20	0	2	20	4	7	se.	F. D. Dodson.	
Marlow.	Stephens.	1,292	10	82.2	108	20	56	28†	37	0.36	-2.20	0	2	20	4	7	se.	Wm. B. Anthony.		
May.	Harper.	76.4	10	105	20	51	29	38	4.44	-0.67	1.48	0	6	18	9	4	se.	G. C. Gray.		
Meeker.	Lincoln.	1,030	17	81.2	+ 0.1	110	20	50	30	42	1.26	-1.64	0.66	0	25	0	6	s.	Dr. J. H. Baugh.	
Muskogee.	Muskogee.	614	12	78.4	-2.9	99	10†	53	30	39	7.62	+ 5.04	2.00	0	6	22	4	5	e.	J. Harry Randall.
Mutual.	Woodward.	3	77.1	106	20	52	29	39	3.94	-0.20	0	5	25	2	4	s.	Thos. Martin.			
Neola.	Caddo.	1,500	5	89.0	107	20	53	29	36	0.78	-0.50	0	4	19	9	3	se.	R. N. Schooling.		
Newkirk.	Kay.	1,149	18	81.0	-0.8	107	21	52	29†	47	7.62	+ 3.98	3.30	0	5	17	12	2	s.	P. H. Albright & Co.
Norman.	Cleveland.	1,171	16	80.1	-1.3	106	20†	53	30	35	1.52	-0.60	0.90	0	4	11	18	2	s.	S. E. Boyd.
Oakwood.	Dewey.	1,854	1	77.5	-4.5	102	21	45	29	44	4.49	+ 1.08	1.24	0	7	24	4	3	s.	Dr. F. Osborn.
Okeene.	Blaine.	1,194	7	79.8	107	21	51	29	40	3.30	-0.20	2.01	0	7	25	4	2	s.	Dr. L. H. Murdoch.	
Oklahoma.	Oklahoma.	1,247	20	80.6	+ 2.1	105	21	54	29	31	0.94	-2.23	0.50	0	7	19	10	2	s.	U. S. Weather Bureau.
Oklmulgee.	Oklmulgee.	752	7	78.8	106	20	53	30	32	6.71	-1.76	0	6	20	4	7	se.	J. L. Maynard.		
Pauls Valley.	Garvin.	880	11	78.6	-1.6	102	9†	48	30	41	3.00	-0.87	1.22	0	6	17	10	4	ne.	A. M. Foss.
Pawhuska.	Osage.	918	11	78.6	-1.6	102	9†	48	30	41	3.00	-0.87	1.22	0	6	17	10	4	ne.	K. C. Block.
Perry.	Noble.	920	12	79.7	-1.4	107	21	47	29	37	5.78	+ 1.59	1.83	0	8	24	4	3	e.	J. A. Douglass.
Ravia.	Johnston.	796	8	82.6	109	9†	59	30†	40	4.47	1.73	0	7	23	2	6	s.	R. G. Gupfill.		
Sac and Fox Agency.	Lincoln.	900	18	82.8	108	20	51	29	38	0	0	0	0	0	0	0	0	0	0	M. R. Gayle.
Shawnee.	Pottawatomie.	1,041	19	80.4	-0.6	108	20	54	30	35	2.97	-0.07	1.51	0	9	12	7	2	se.	Mrs. Kate Chatman.
Snyder.	Kiowa.	1,356	4	82.6	107	20†	59	29	34	0.68	-0.33	0	3	22	7	2	sw.	Dr. W. C. Woodard.		
Stillwater.	Payne.	880	18	78.7	-1.8	105	21	52	30	37	7.65	+ 4.24	2.31	0	8	25	2	4	ne.	A. R. Evans.
Tulsa.	Tulsa.	700	22	79.1	104	9†	53	30	36	7.90	+ 4.97	2.23	0	9	20	10	1	11	sw.	Dr. H. M. Hutchinson.
Vinita.	Craig.	698	7	77.0	96	10†	51	30	31	5.56	-0.20	2.51	0	4	20	0	11	11	sw.	S. L. Hatfield.
Wagoner.	Garfield.	588	14	77.4	-3.5	98	10†	51	30	41	7.16	+ 4.61	2.62	0	6	19	8	4	s.	R. C. Shadess.
Waurika.	Jefferson.	988	1	82.1	106	21	60	30	37	3.44	-0.83	0	6	22	6	3				

TABLE 1.—Climatological data for August, 1911. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unsettled.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Missouri—Continued.																				
Rolla.....	Phelps.....	1,092	31	75.6	+ 0.6	105	9	50	30	35	2.09	- 1.68	1.05	0	7	14	9	8	se.	Prof. P. J. Wilkins.
Springfield.....	Greene.....	1,350	23	74.1	- 0.7	94	9	53	30	25	6.92	+ 2.61	1.92	0	11	14	6	11	se.	U. S. Weather Bureau.
Steelville.....	Crawford.....	746	15	75.2	.....	106	9	41	30	44	4.00	+ 0.59	1.64	0	6	6	7	15	sw.	Edwin Pumphrey.
Kentucky.																				
Blandville.....	Ballard.....	445	29	75.4	- 1.4	96	8	54	30	30	3.85	+ 0.83	0.82	0	14	5	16	10	sw.	E. W. Horr.
Lynnville.....	Graves.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tennessee.																				
Arlington.....	Shelby.....	29	77.8	- 0.1	98	8†	55	30	27	5.22	+ 2.02	1.22	0	13	12	5	14	s.	A. Thomas B. Etheridge.	
Bolivar.....	Hardeman.....	450	24	76.6	- 1.4	95	S†	58	30	25	5.27	+ 2.71	1.01	0	14	16	2	13	s.	Miss Mary A. Smith.
Brownsville.....	Haywood.....	361	26	77.4	- 0.7	94	S†	57	30	24	5.16	+ 2.29	1.15	0	13	S	16	7	s.	Miss Hattie N. Moses.
Covington.....	Tipton.....	311	24	76.6	- 1.9	94	9	50	30	30	5.52	+ 2.30	1.60	0	11	13	0	18	s.	James S. Ruffin.
Dyersburg.....	Dyer.....	310	28	78.6	0.0	96	9	58	30	26	3.07	- 0.05	1.00	0	8	16	2	13	se.	Miss Martha A. Sinclair.
Jackson.....	Madison.....	450	18	78.7	- 0.1	99	9	57	30	32	9.24	+ 6.56	3.06	0	11	10	6	6	sw.	Shelby A. Robert.
Kenton.....	Obion.....	325	9	77.0	.....	96	S	55	30	26	5.56	.....	.....	0	16	14	4	13	se.	George S. Martin.
Memphis.....	Shelby.....	409	40	78.2	- 1.0	96	9	58	30	21	5.64	+ 2.44	1.51	0	15	5	15	11	s.	U. S. Weather Bureau.
Milan.....	Gibson.....	440	28	76.0	- 1.8	91	8†	56	30	22	9.18	+ 5.71	1.84	0	16	11	2	18	s.	Orlando F. Cantwell.
Trenton.....	do.....	345	28	76.4	- 0.9	96	S†	51	31	34	5.75	+ 2.73	1.14	0	11	15	7	9	se.	F. L. Dennison.
Union City.....	Obion.....	380	13	78.6	+ 0.1	105	8	57	30	36	5.50	+ 2.86	1.46	0	16	9	15	7	se.	J. B. Kinney.
Arkansas.																				
Alicia.....	Lawrence.....	7	77.2 ^b	.....	96	.....	55	.....	24 ^b	9.30	.....	2.20	0	14	13	7	11	.....	McCullough & Guelck.	
Amity.....	Clark.....	250	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Campbell.
Arkadelphia (near).....	do.....	250	4	80.0	.....	107	9	55	30	35	7.76	.....	2.28	0	13	10	12	9	sw.	J. A. Ross.
Arkansas City.....	Deshaw.....	145	28	.....	.....	.....	.....	.....	.....	14.98	+ 11.83	5.50	0	14	.....	.....	.....	.....	.....	W. C. Blundell.
Batesville.....	Independence.....	271	6	.....	.....	.....	.....	.....	15.20	.....	3.90	0	16	.....	.....	.....	.....	.....	Levin J. Teter.	
Bee Branch.....	Van Buren.....	19	77.2	- 1.7	101	9	52	30†	36	9.50	+ 6.41	2.75	0	13	9	7	15	.....	J. E. Scanlan.	
Benton.....	Saline.....	283	4	77.2	.....	101	9	52	30	34 ^a	5.48	.....	1.75	0	9	12	7	12	s.	P. B. Jackson.
Bentonville.....	Benton.....	1,303	16	74.6	- 1.9	96	10	49	30	33	3.29	- 0.75	1.00	0	9	16	6	9	ne.	U. S. Weather Bureau.
Bergman.....	Boone.....	1,324	15	71.8	- 3.9	100	10	45	30†	38	7.00	+ 3.76	2.00	0	11	14	8	9	ne.	John T. Maxey.
Black Rock.....	Lawrence.....	259	7	.....	.....	.....	.....	.....	.....	.....	9.57	.....	3.26	0	12	.....	.....	.....	s.	S. J. Howe.
Brinkley.....	Monroe.....	226	25	79.0	- 0.3	102	9	54	31	34	11.13	+ 8.51	3.34	0	14	.....	.....	.....	.....	H. L. D. Whitson.
Calico Rock.....	Izard.....	361	7	.....	.....	.....	.....	.....	.....	12.31	.....	4.25	0	11	.....	.....	.....	.....	W. H. Stoner.	
Camden.....	Ouachita.....	158	26	80.1	- 0.1	101	9	55	30†	33	5.81	+ 3.69	1.02	0	14	.....	.....	.....	.....	R. H. Quarterman.
Centerpoint.....	Howard.....	470	11	81.0	- 1.5	104	9†	55	30	32	3.53	+ 1.37	1.20	0	7	10	10	11	se.	J. M. Huddleston.
Clarendon.....	Monroe.....	171	7	.....	.....	.....	.....	.....	.....	10.83	.....	4.01	0	14	.....	.....	.....	.....	Mrs. B. E. Bishop.	
Conway.....	Faulkner.....	309	28	78.2	- 1.0	101	9	54	30	30	9.58	+ 6.33	3.19	0	19	9	14	8	s.	G. H. Burr.
Corning.....	Clay.....	293	19	77.2	- 1.0	99	9	53	31	31 ^a	4.43	+ 0.66	1.77	0	13	15	5	11	e.	Jacob Brobst.
Dardanelle.....	Yell.....	330	25	76.8	.....	99	8	53	30	32	7.38	+ 4.11	1.74	0	14	.....	.....	.....	s.	A. Bernard.
Dodd City.....	Marion.....	1,175	30	75.8	- 2.1	99	8†	49	30†	35	19.54	+ 15.57	7.37	0	13	.....	.....	.....	.....	Neal Dodd.
Dutton.....	Madison.....	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. M. Ricketts.	
Eldorado.....	Union.....	265	7	80.0	.....	99	9	57	30	28	10.04	.....	2.05	0	13	.....	.....	.....	.....	Jeff J. Babb.
England.....	Lonoke.....	5	79.5	.....	103	9	55	30	33	7.83	.....	1.85	0	15	8	1	22	sw.	J. C. Chenuart.	
Eureka Springs.....	Carroll.....	1,465	9	75.6	.....	98	10	50	30	31	7.98	.....	1.78	0	9	11	14	6	ne.	George W. Nicholds.
Fayetteville.....	Washington.....	1,451	22	76.0	- 0.3	98	10†	47	30	36	3.97	- 0.43	1.25	0	10	14	13	4	sw.	University of Arkansas.
Fordyce.....	Dallas.....	27	79.4	.....	101	9	57	30	29	11.41	.....	2.80	0	15	8	14	9	s.	A. Tredick.	
Fort Smith.....	Sebastian.....	481	29	79.4	0.0	102	10	56	30	28	6.25	+ 2.59	2.79	0	11	15	4	12	e.	U. S. Weather Bureau.
Fulton.....	Hempstead.....	264	7	.....	.....	.....	.....	.....	.....	.....	3.50	.....	1.20	0	10	.....	.....	.....	s.	B. C. Logan.
Hardy.....	Sharp.....	643	13	76.0	- 2.9	98	8†	52	30	28	15.50	+ 12.02	5.80	0	12	7	11	13	sw.	C. A. Caywood.
Helena.....	Phillips.....	182	26	76.0	.....	102	8	52	30	32	15.50	.....	2.02	0	11	11	8	10	s.	B. F. Modisett.
Hot Springs.....	Garland.....	600	5	78.8	.....	105	9†	52	30	35	5.20	.....	1.60	0	10	7	19	5	s.	Hot Springs Water Co.
Huttig.....	Union.....	85	4	80.5	.....	100	9	59	30	36	8.65	.....	3.80	0	10	7	23	1	s.	C. A. Berry.
Jonesboro.....	Craighead.....	345	16	76.8	- 2.8	102	8	49	31	34	8.00	+ 4.24	1.60	0	9	14	6	18	s.	Benedictine Sisters.
Junction.....	Union.....	18	78.8	- 1.7	94	8†	57	31	24	5.46	+ 2.78	1.56	0	6	13	8	10	w.	J. A. Lowderbach.	
Lake Farm.....	Jefferson.....	195	4	79.0	.....	103	9	52	30	34	8.39	.....	2.02	0	11	8	19	4	s.	R. H. Gillespie.
Lewisville.....	Lafayette.....	262	8	82.0 ^b	.....	105	9†	57	30	34	4.70	.....	1.50	0	11	.....	.....	.....	e.	F. W. Youmans.
Little Rock.....	Pulaski.....	357	22	78.5	- 0.7	102	9	60	30	26	8.88	+ 5.23	2.99	0	14	10	5	16	ne.	U. S. Weather Bureau.
Lutherville.....	Johnson.....	775	14	77.3	- 1.1	100	9†	51	30	31	5.92	+ 1.87	1.60	0	16	11	14	6	ne.	W. R. Hentschel.
Malvern.....	Hot Spring.....	277	24	77.3	- 2.2	104	9	53	30	32	4.67	+ 1.65	0.83	0	13	.....	.....	.....	s.	Miss L. C. Smith.
Mammoth Spring.....	Fulton.....	512	7	75.9	.....	97	9	48	31	35	8.89	.....	3.75	0	12	10	5	6	sw.	F. Wallack.
Marked Tree.....	Poinsett.....	229	7	.....	.....	.....	.....	.....	.....	9.49	.....	2.24	0	16	.....	.....	.....	.....	L. Smith.	
Mena.....	Polk.....	1,100	25	78.1	- 1.4	102	10	53	30	38	9.26	+ 5.12	4.44	0	11	15	12	4	ne.	R. R. St. John.
Newport.....	Jackson.....	231	27	78.7	- 0.5	98	9	57	30	29	9.97	+ 6.89	2.06	0	15	.....	.....	.....	e.	Chas. Sprigg.
Ozark.....	Franklin.....	377	20	80.0	- 2.1	103	10†	55	30	32	4.98	+ 1.02	1.04	0	10	14	10	7	sw.	R. M. Adams.
Pine Bluff.....	Jefferson.....	215	23	79.8	- 1.6	102	9	58	31	29	8.31	+ 5.72	3.04	0	14	.....	.....	.....	s.	J. M. Hudson.
Pocahontas.....	Randolph.....	19	77.6	- 1.2	99	8†	54	31	31	10.67	+ 4.65	2.60	0	15	8	11	12	sw.	Benedictine Sisters.	
Pond.....	B																			

TABLE 1.—Climatological data for August, 1911. District No. 7—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Observers.	
				Mean.			Departure from the normal.			Total.			Departure from the normal.					
				Highest.	Date.	Lowest.	Greatest daily range.	Date.	Lowest.	Total.	Greatest in 24 hours.	Total snowfall, unmetted.	Number of rainy days, 0.01 inch or more.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direction.		
<i>Mississippi—Contd.</i>																		
Enid.	Tallahatchie	2	10	73.5	-0.4	97	10	62	31	27	7.57	2.66	0	14	2	s.	Tallahatchie Drainage Com.	
Fayette.		270	10	73.5	-0.4	97	10	62	31	27	6.37	+ 1.29	3.01	0	6	sw.	T. L. Darden.	
Greenville.	Jefferson	126	24	80.5	-0.8	100	9	61	30	26	13.20	+ 0.45	4.64	0	15	13	sw.	F. L. Harbison.
Greenwood.	Washington	140	11	80.4	-0.4	103	9	60	30	30	7.43	+ 3.91	4.40	0	13	11	se.	J. H. Stephen.
Grenada.		124	2								5.21		0.95	0	12	8	s.	Tallahatchie Drainage Com.
Hernando.	Grenada	391	23	78.9	-0.7	100	9	55	30	28	5.08		0.84	0	15	8	se.	W. F. Wood.
Hickory Flat.	De Soto	435	2								5.32		1.35	0	14	6	19	Tallahatchie Drainage Com.
Holly Springs.	Benton	600	24	76.8	-2.5	96	9	57	30	25	8.81	+ 5.09	1.35	0	18	3	15	L. B. Mosby.
Kosciusko.	Marshall	430	21	79.2	-0.2	98	9	61	30	27	4.44	+ 0.55	1.08	0	15	12	15	E. L. Lucas.
Lake Cormorant.	Attala	206	2								3.87		0.65	0	15	4	24	Tallahatchie Drainage Com.
Lula.	De Soto	182	2								5.57		2.23	0	10	15 ^a	5 ^a	Do.
Malone.	Coahoma	2									9.89		2.61	0	17			Do.
Marks.	Marshall	103	2								10.73		2.80	0	12			Do.
Natchez.	Quitman	206	23	80.2	-1.5	98	10	63	31	27	5.51	+ 0.75	1.83	0	10	0	16	F. L. Garrity.
New Albany.	Adams	308	2								6.04		1.31	0	13	9	18	Tallahatchie Drainage Com.
Pontotoc.	Union	475	22	77.2	-1.5	94	10	60	30	23	6.29	+ 2.65	1.50	0	11	8	16	Dr. C. W. Bolton.
Port Gibson.	Pontotoc	116	23	80.0	-0.9	99	10	61	30	29	6.00	+ 2.22	4.00	0	12	16	7	H. H. Crisler.
Rosedale.	Calhoun	143	3	79.7		100	9	59	30	28	12.66		2.10	0	13	15	2	T. J. Murray.
Senatobia.	Tate	254	2								7.72		1.62	0	18	19	0	J. C. Pitchford.
Shoecoe.	Madison	8	79.0								3.08	- 1.79	1.18	0	10	15	12	Prof. George H. Kent.
Suffolk.	Franklin	10	80.3	-0.8							3.80	- 0.69	0.81	0	17	13	9	Dr. M. P. Winkler.
Tchula.	Holmes	130	6	80.8							9.9		4 ^b	18 ^b	7 ^b	w.	Dr. J. B. Dudley.	
Utica.	Hinds	287	7	79.6							7.31		1.50	0	10	14	6	U. S. Weather Bureau.
Vicksburg.	Warren	247	40	80.2	+ 0.6	98	10	63	30	22	3.20		0.67	0	14	7	13	Miss Louisa Erikson.
Water Valley.	Yalobusha	300	22	78.6	-1.5	99	9	59	30	28	9.17	+ 5.82	2.00	0	15	16	8	James Lee.
Woodville.	Wilkinson	500	18	80.0	-1.2	99	10	65	31	28	6.14	+ 0.55	2.00	0	10	15	2	W. H. Courts.
Yazoo City.	Yazoo	116	17	80.2	-0.6	98	8 ^c	62	30	27	6.35	+ 1.89	2.89	0	9	21	0	
<i>Louisiana.</i>																		
Abbeville.	Vermilion	18	23	82.0	+ 0.4	99	9	69	2	26	7.00	+ 1.33	1.74	0	18	13	8	C. J. Edwards.
Alexandria.	Rapides	77	23	81.2	-0.9	99	9 ^c	66	28		3.85	- 0.27	1.27	0	8	10	6	Nellie Graham.
Amite.	Tangipahoa	130	23	81.0	-0.3	98	9 ^c	67	25	27	9.94	+ 3.31	1.14	0	18	7	22	Lulu M. Wentz.
Avoca Island.	St. Mary																J. N. Pharr & Sons (Ltd.).	
Baton Rouge.	East Baton Rouge	60	23	80.4	-0.9	97	9 ^c	67	27	28	7.01	+ 1.21	1.65	0	13	16	5	Elmo M. Bott.
Burnside.	Ascension	20	11	80.9	-0.2	98	9	64	16	27	11.11	+ 5.60	4.00	0	19			C. S. McFarland.
Burwood.	Plaquemines	1	23	83.0	+ 0.7	94	6	68	14	27	5.85	- 2.39	1.65	0	13	10	15	Graham Myers.
Cades.	St. Martin	1	82.2								9.9		6.91	0	15	13	10	C. E. Smedes.
Calhoun.	Ouachita	180	23	80.3	-0.6	100	9 ^c	57	31	30	4.58	+ 1.30	1.18	0	12	9	12	North Louisiana Expt. Sta.
Cameron.	Carrollton	6	18	81.0	-0.9	93	10	70	30	20	8.93	+ 4.95	2.23	0	8	9	10	State Biological Station.
Cheneyville.	Orleans	7									7.25							Loyola College.
Cinclare.	Rapides	67	23	81.6	+ 0.2	99	8 ^c	62	31	27	9.56	+ 5.04	2.30	0	9	10	9	Walter L. Tanner.
Clinton.	West Baton Rouge	1	81.8								6.33		2.07	0	15	12	17	Cinclare Central Factory.
Collinston.	East Feliciana	113	23	79.7	-0.5	95	1 ^c	66	31	24	3.27	- 2.83	1.10	0	13	9	n.	John A. White.
Covington.	Morehouse	65	10	81.4	-1.5	100	8 ^c	60	30	26	6.72		2.65	0	14	8	10	John B. Reilly.
Dodson.	St. Tammany	39	19	82.2	+ 0.6	102	9	69	37	27	7.37	+ 0.73	1.30	0	21	18	3	Lucille Champagne.
Donaldsonville.	St. Tammany	33	23	81.5	0.0	98	9 ^c	101	9	54	30	2.89	0	12	9	12	J. P. Lucas.	
Dutchtown.	Ascension										28.50	+ 22.03	6.55	0	20	20	4	John F. Park.
Farmerville.	Union	177	23	79.4	-0.4	95	7 ^c	60	29	24	8.33	+ 5.11	1.56	0	13	12	11	Picard & Geismer (Ltd.).
Ferriday.	Concordia	4	79.6								6.26		1.88	0	13	10	1	W. P. Chandler.
Franklin.	St. Mary	10	19	82.9	+ 0.6	99	8 ^c	69	2	26	18.79	+ 11.25	4.54	0	22	9	14	R. Z. Slater.
Grand Cane.	De Soto	302	17	83.8	+ 2.0	101	9	49	31	38	3.02	+ 0.73	3.79	0	14	7	15	J. M. Bonney.
Grand Coteau.	St. Landry	93	23	81.6	+ 0.3	98	9	66	31	28	7.61	+ 2.77	1.02	0	14	16	13	G. Foster Provost.
Houma.	Tangipahoa	44	19	81.3	+ 1.8	99	9	60	24	33	4.80	+ 1.05	1.70	0	12	18	12	St. Charles College.
Jena.	Catahoula	23	81.0	-0.6							12.27	+ 5.92	1.95	0	17	13	0	C. C. Carr.
Jennings.	Calcasieu	30	14	82.4	+ 0.2	100	9 ^c	66	31	28	8.63	+ 3.41	2.26	0	7	6	18	I. A. Willbanks.
Lafayette.	Lafayette	36	23	82.1	+ 0.6	99	9 ^c	69	27		7.91	+ 2.46	1.67	0	20	23	2	J. F. Buch.
Lake Charles.	Calcasieu	22	23	80.6	-0.9	101	9	61	20	36	8.99	+ 3.32	2.00	0	10	21	0	George Boudreux.
Lakeside.	Cameron	9		81.6	-1.1	98	10 ^c	68	31	23	6.48		2.19	0	11	19	2	L. J. Nunemacher.
La Rose (near).	La Fourche	12		80.4							8.02		3.34	0	20	15	1	Louisiana Delta Farms Co.
Lawrence.	Plaquemines	6	20	83.0	+ 0.1	100	6	68	21	29	12.31	+ 5.39	3.50	0	19	5	24	H. C. Warmoth.
Leesville.	Vernon	4									3.75		2.34	0	7			C. M. McFarland.
Liberty Hill.	Bienville	23	82.6	-0.1							7.81	+ 4.75	2.85	0	10	17	5	E. A. Crawford.
Logansport.	De Soto	192	7								3.46		1.26	0	6	8	10	Bettie M. Dennis.
Melville.	St. Landry	45	23	80.3	-1.2	97	9 ^c	60	25	28	9.04	+ 3.96	2.03	0	17	14	9	Charles B. McNeill.
Minden.	Webster	194	23	80.5	-1.6	104	9	54	31	33	10.70	+ 7.88	3.90	0	14	10	12	Ethel Fort.
Monroe.	Ouachita	82	23	81.8	-0.3	102	9 ^c	61	30	29	7.91	+ 4.38	2.77	0	11	12	0	L. L. Smith.
Morgan City.	St. Mary	14	5								13.06		4.17	0	15	14	9	Virgil E. Kinsey.
Newellton.	Tensas	4	81.2								9.9		0.83	0	10			John D. Fultz.
New Iberia.	Iberia	15	23	79.8	-1.5	94	4 ^c	69	24	22	7.47	+ 1.30	1.95	0	16	5	21	Mrs. John A. Gebert.
New Orleans (1).	Orleans	51	40	81.8	+ 0.5	97	9	69	20	33	8.15	+ 2.54	1.99	0	14	5	18	U. S. Weather Bureau.
New Orleans (2).	do	18	23	82.5	+ 0.6	100	9	69	37	26	8.85	+ 2.94	1.71	0	20	1	9	Sugar Experiment Station.
Opelousas.	St. Landry	83	19	82.7	+ 0.8	100	10	65	31	29	6.07	+ 0.98	1.41	0	12	17	5	Andrew Morest.
Paradis.	St. Charles	29	5								8.39		3.12	0	15			Louisiana Meadows Co.
Pearl River.	St. Tammany	29	5					</										

TABLE 2.—*Daily precipitation for August, 1911. District No. 7, Lower Mississippi Valley.*

TABLE 2.—*Daily precipitation for August, 1911. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for August, 1911. District No. 7—Continued.*

TABLE 2.—*Daily precipitation for August, 1911. District No. 7—Continued.*

Stations.	River basins.	Day of month.																																
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total	
Kentucky.																																		
Blandville.....	Mississippi.....	.37	.03	..	.05	..	.05	..	.82	..	..	..	..	..	.46	..	..	..	.11	..	T.	.07	.38	.01	.60	.19	.05	.66	..	..	3.85		
Lynville.....	do.....																																	
Tennessee.																																		
Arlington ||| .....	Mississippi.....	1.22	T.	..	..	T.	.35	.18	T.	..	..	..	..	..	.20	.15	.20	T.	.47	.73	.30	..	..	.30	.31	.26	.55	..	..	5.22			
Bolivar ||| .....	do.....	.82	.04	..	..	..	.36	.07	.64	..	..	..	..	..	T.	.12	.28	.10	T.	.18	.45	..	.10	.11	..	.75	.39	.92	T.	..	5.27		
Brownsville ||| .....	do.....	.10	..	..	..	..	.50	.40	..	T.	..	..	..	..	T.	.03	.96	T.	..	.26	..	T.	.15	..	..	.30	1.15	.46	.08	..	..	5.16	
Covington ||| .....	do.....	1.60	..	..	..	..	.62	..	T.	..	..	..	..	..	.45	.40	.31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5.52
Dyersburg ||| .....	do.....	.35	..	..	..	..	..	..	..	T.	..	..	..	..	T.	.20	..	.10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3.07
Jackson.....	do.....	.32	..	..	.06	.36	..	..	..	..	..	..	..	..	.45	1.70	.10	..	.98	..	..	..	..	..	..	.61	..	..	..	..	..	9.24	
Kenton.....	do.....	.25	.24	..	.34	.20	.19	.04	..	.05	..	..	..	..	1.40	.93	.14	..	.12	..	.35	..	.14	..	..	.78	.14	.25	..	..	5.56		
Memphis.....	do.....	.74	..	.10	.50	.16	..	..	..	..	..	..	..	..	.27	.23	.33	.21	T.	.03	.71	.47	1.04	T.	.09	..	T.	.46	.10	T.	..	..	5.64
Milan ||| .....	do.....	1.84	.05	..	1.47	.47	.39	.02	.08	..	..	..	..	..	.01	.40	.97	.07	T.	.09	1.19	..	.09	T.	..	T.	.12	.92	T.	..	..	9.18	
Trenton.....	do.....	.54	..	..	T.	.41	.51	..	..	.15	..	..	..	..	.64	.50	.48	..	..	.84	..	..	..	..	..	.55	.75	T.	..	..	5.75		
Union City.....	do.....	.07	.01	.02	.11	.07	.39	.01	..	.07	..	..	..	..	1.09	.14	..	.16	..	..	.40	..	..	..	1.10	.30	1.46	..	..	5.50			
Arkansas.																																		
Alicia.....	White.....	.05	T.	..	2.10	..	..	..	..	..	..	..	..	..	.95	2.20	1.00	.10	.75	*	*	*	*	*	*	*	*	2.15	..	..	9.30		
Amity.....	Ouachita.....	..	..	..	..	..	..	..	..	..	..	..	..	..	.06	.14	..	.82	.18	.66	.60	..	.76	..	.12	.88	.50	.23	2.05	..	..	7.76	
Arkadelphia (near).....	do.....	.50	.40	..	..	..	..	..	..	..	..	..	..	..	..	5.50	1.00	.52	.36	..	.70	..	1.04	1.56	.05	..	.55	.60	.80	..	..	14.98	
Arkansas City ||| .....	Mississippi.....	.50	..	..	..	..	..	..	..	..	..	..	..	..	.18	1.14	..	1.6	..	..	..	..	..	..	..	..	..	..	..	..	..	15.20	
Batesville ||| .....	White.....	.18	1.14	..	.02	.46	.1610	2.00	1.50	.55	T.	.10	9.50
Bee Branch.....	Arkansas.....	.10	30	1.0595	.55	.35	.55	5.48
Benton.....	Ouachita.....	..	..	..	..	..	..	..	..	..	..	..	..	..	.01	.01	..	.05	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3.29
Bentonville.....	Arkansas.....	T.	..	..	.64	.81	.45	..	..	..	..	..	..	..	.21	.66	T.	..	..	.55	..	..	..	..	..	..	..	..	..	..	..	..	7.00
Bergman.....	White.....	.50	..	.10	..	..	..	..	..	..	..	..	..	..	.79	1.14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9.57
Black Rock ||| .....	do.....	..	..	..	..	..	..	..	..	..	..	..	..	..	.71	1.15	2.38	.96	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11.13
Brinkley ||| .....	do.....	1.71	.33	..	.08	.32	T.	..	..	..	..	..	..	..	.3	2.35	4.23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	12.31
Calico Rock ||| .....	do.....	.25	.75	T.	T.	.25	..	..	..	..	..	..	..	..	.01	.23	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5.81
Camden ||| .....	Ouachita.....	.68	..	..	..	..	..	..	..	..	..	..	..	..	.01	.24	..	.02	.38	..	.03	..	..	..	..	..	..	..	..	..	..	..	19.54
Centerpoint.....	Red.....	.23	T.	.20	..	.23	.30	3.53
Clarendon ||| .....	White.....	.88	.37	..	.07	T.	T.	..	..	..	..	..	..	..	.3	3.05	.96	2.23	.72	..	.63	T.	..	..	1.00	.45	..	.13	.15	.16	.03	..	10.83
Conway.....	Arkansas.....	.61	..	..	.06	.49	1.02	.09	..	..	..	..	..	..	T.	.24	..	.20	.97	.12	.34	..	.12	..	.52	.01	.23	.12	.01	..	..	9.58	
Corning.....	White.....	T.	..	..	.04	.19	.73	..	..	..	..	..	..	..	.07	.52	.25	..	.04	..	.05	..	..	..	..	..	..	..	..	..	..	..	4.43
Dardanelle ||| .....	Arkansas.....	.95	.93	..	.06	..	.95	..	..	..	..	..	..	..	.06	1.74	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7.38
Dodge City.....	White.....	.75	..	..	..	2.47	1.00	..	..	..	..	..	..	..	.5	12	..	.37	1.00	..	..	..	..	..	..	1.72	.56	.30	.70	..	..	19.54	
Dutton.....	do.....	T.
Eldorado ||| .....	Ouachita.....	.18	.76	T.	..	..	..	..	..	..	..	..	..	..	T.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10.04
England ||| .....	Arkansas.....	.34	T.	.40	..	..	..	..	..	..	..	..	..	..	.55	.92	.82	.45	.15	.03	.10	..	..	..	..	..	..	..	..	..	..	..	7.83
Eureka Springs.....	White.....	.51	..	.78	.36	.23	..	..	..	..	..	..	..	..	T.	.26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7.08
Fayetteville.....	do.....	..	..	..	..	..	..	..	..	..	..	..	..	..	.92	1.25	.46	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3.97
Fordyce.....	Ouachita.....	1.16	..	..	..	..	..	..	..	..	..	..	..	..	.31	2.3	4.8	2.80	2.13	.03	..	..	..	..	..	..	..	..	..	..	..	11.41	
Fort Smith.....	Arkansas.....	.03	..	.59	T.	.16	..	..	..	..	..	..	..	..	.30	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6.25
Fulton ||| .....	Red.....	.04	..	..	..	..	..	..	..	..	..	..	..	..	.45	1.20	2.20	.50	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3.50
Hardy.....	White.....	.95	T.	..	..	35.159	..	..	..	..	..	..	..	..	T.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	15.50
Helena ||| .....	Mississippi.....	.50	T.	5.20
Hettig.....	Ouachita.....	.5018	8.65
Jonesboro.....	White.....	.26	.27	1.00	.06	..	..	..	..	..	..	..	..	..	.85	1.40	1.60	1.60	..	.50	.38	..	..	..	..	..	..	..	..	..	..	8.00	
Junction.....	Ouachita.....	T.	T.	5.46
Lake Farm.....	Arkansas.....	1.20	..	3145	1.20	2.20	.50	8.39
Lewisville.....	Arkansas.....	.50	T.	4.88
Little Rock.....	Arkansas.....	.23	..	.01	.39	..	.04	..	..	..	..	..	..	..	.36	.29	.72	.67	T.	.10	..	.25	..	..	..	..	..	..	..	..	..	..	4.88
Lutherville.....	do.....	.03	.01	.39	..	.04	..	..	..	..	..	..	..	..	.19	..	.41	1.06	..	..	.18	..	..	..	..	..	..	..	..	..	..	..	5.92
Malvern ||| .....	Ouachita.....	.42	.50	..	T.	.28	.07	..	..	..	..	..	..	..	.33	..	.49	.21	..</td														

TABLE 2.—*Daily precipitation for August, 1911. District No. 7—Continued.*

* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

|| Precipitation for the 24 hours ending on the morning when it is measured.
|| Precipitation is less than 0.01 inch rain or melted snow.

T. Precipitation is less than 0.01 inch rain or melted snow.

MONTHLY WEATHER REVIEW.

AUGUST, 1911

TABLE 3.—*Maximum and minimum temperatures at selected stations for August, 1911. District No. 7, Lower Mississippi Valley.*

Date.	Colorado.						New Mexico.				Texas.				Kansas.								Oklahoma.					
	Lamar.		Leadville.		Pueblo.		Albert.		Cimarron.		Amarillo.		Paris. §§		Dodge City.		Ellinwood.		Iola.		Liberal.		Wichita.		Ardmore. §§		Bartlesville.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.....	98	53	68	35	89	56	92	59	84	48	88	63	86	72	82	58	84	60	84	67	86	60	82	60	91	71	82	67
2.....	96	63	65	44	86	57	94	60	82	48	89	62	94	65	89	61	89	65	86	62	90	62	85	66	99	69	88	63
3.....	89	55	63	32	83	54	89	62	82	52	87	66	93	66	79	61	84	62	82	64	83	57	84	60	93	77	90	63
4.....	93	50	68	36	93	59	90	66	83	49	85	62	85	73	82	62	86	66	82	63	84	57	81	67	88	76	84	63
5.....	95	53	72	36	88	62	98	63	83	49	86	65	96	70	79	61	84	62	80	64	83	56	81	65	98	67	84	61
6.....	105	61	68	40	95	58	102	61	85	47	102	64	98	72	87	66	89	65	89	64	101	67	89	67	102	75	95	67
7.....	94	63	74	36	92	64	98	64	88	52	98	67	99	72	85	65	89	69	93	72	88	64	93	73	106	74	99	70
8.....	105	62	75	40	98	58	102	70	89	53	97	69	103	71	99	68	100	68	94	72	103	65	93	74	108	76	101	75
9.....	105	65	70	41	97	89	97	65	90	50	96	66	105	71	97	69	100	66	97	74	99	64	96	73	109	74	103	72
10....	105	66	65	39	92	61	98	66	86	56	96	66	105	72	96	68	102	73	97	72	100	65	97	76	110	74	105	73
11....	102	64	66	37	82	64	95	66	85	56	96	64	103	76	96	63	102	67	97	70	98	60	95	74	103	75	99	73
12....	100	58	63	41	88	57	97	68	81	49	92	64	97	74	93	66	98	65	94	71	98	64	91	75	101	73	97	71
13....	103	62	68	38	93	59	93	63	86	54	94	67	94	70	93	66	97	66	89	67	96	62	89	71	102	72	88	67
14....	101	63	72	39	93	52	101	66	89	55	101	68	103	70	94	67	95	65	92	68	99	61	91	70	103	72	93	66
15....	103	64	69	44	98	63	100	69	88	58	95	68	100	73	94	69	101	67	96	68	99	67	95	72	103	72	93	68
16....	104	80	71	44	95	61	99	67	86	55	94	65	92	75	92	67	100	66	94	71	96	61	93	74	93	74	93	70
17....	93	63	73	40	87	60	93	70	84	52	92	65	98	73	90	71	92	71	94	69	99	69	91	70	95	74	95	72
18....	102	65	74	42	94	64	97	65	83	55	94	68	103	74	93	67	99	64	96	69	89	67	95	72	107	73	99	72
19....	102	65	74	43	95	61	100	67	86	53	99	68	99	73	94	71	98	69	93	71	100	66	93	71	103	73	97	72
20....	107	63	64	43	96	65	100	70	87	57	100	71	104	74	102	70	103	71	95	70	106	71	96	75	109	74	99	73
21....	90	64	59	43	84	50	101	65	87	56	101	66	105	74	96	71	101	72	91	69	101	76	101	72	110	79	98	74
22....	79	55	57	41	62	53	66	53	64	51	72	56	98	75	71	57	84	67	82	66	91	57	79	66	104	80	79	71
23....	60	50	62	35	62	51	60	52	63	47	57	55	92	72	61	53	76	57	74	57	61	51	69	59	93	75	77	65
24....	79	54	58	34	70	51	51	67	58	49	75	55	87	72	68	57	80	57	72	57	67	54	75	77	71	72	58	65
25....	85	53	60	33	82	49	84	56	75	50	74	59	89	66	78	55	85	58	82	59	77	53	82	60	85	66	82	59
26....	91	57	63	35	88	48	88	60	83	44	82	59	92	68	86	60	90	50	85	55	86	58	85	61	92	66	87	58
27....	85	51	58	37	65	55	89	58	69	47	84	60	86	70	84	63	85	59	89	62	90	62	87	57	75	67	85	64
28....	75	54	62	33	76	48	94	66	88	52	63	63	94	70	71	54	76	50	77	55	72	49	75	57	78	63	79	60
29....	90	53	66	34	87	47	95	62	77	47	76	59	83	71	77	51	83	43	78	47	81	53	73	54	85	62	89	52
30....	98	52	69	38	92	59	59	68	82	47	87	58	86	61	89	57	89	54	84	51	94	56	85	55	87	60	87	48
31....	95	54	70	39	92	55	94	61	83	50	90	58	91	59	96	63	99	63	92	57	96	54	94	62	91	62	93	55
Mns..	94.5	59.4	66.6	38.6	86.9	57.9	92.3	63.2	81.9	51.2	88.4	63.1	95.1	70.5	86.9	63.1	91.7	62.9	88.1	64.5	90.8	60.8	87.7	66.7	96.8	71.6	90.4	66.0

Date.	Oklahoma.												Missouri.										Lynnville, Ky.					
	Enid. §§		McAlester.		Mangum. §§		Muskogee.		Oklahoma.		Weatherford. §§		Woodward.		Caruthersville.		Ironton. §§		Lamar. §§		Olden.		Springfield.		Lynnville, Ky.		Jackson, Tenn.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.....	89	65	89	68	90	66	90	74	91	69	91	65	88	66	84	71	92	70	82	68	85	67	82	67	91	70	89	68
2.....	94	64	93	66	96	69	90	65	91	68	89	68	93	66	84	68	92	67	84	66	91	64	85	65	94	71	94	71
3.....	90	64	91	67	92	70	84	64	89	67	91	70	88	64	89	66	86	61	84	65	84	65	82	65	97	69	91	70
4.....	83	63	87	69	89	66	84	69	84	63	84	62	85	62	93	67	90	59	80	65	81	64	83	67	77	66	91	70
5.....	91	65	93	70	96	67	84	67	87	68	90	63	84	62	86	67	93	65	82	64	83	67	77	66	91	70	91	70
6.....	94	66	96	75	95	72	94	70	95	67	94	66	106	70	86	70	88	67	92	66	88	68	86	68	96	78	96	78
7.....	97	69	77	76	104	70	93	74	100	75	99	74	93	77	89	69	91	70	93	73	98	71	91	74	94	70	98	71
8.....	99	68	102	75	103	69	98	72	102	74	100	70	98</															

TABLE 3.—Maximum and minimum temperatures at selected stations for July, 1911. District No. 7—Continued.

Date.	Tennessee.				Arkansas.												Mississippi.											
	Kenton.		Memphis.		Bentonville.		Corning.		Dardanelle.		Eldorado.		Fort Smith.		Little Rock.		Pine Bluff.		Texarkana.		Wynne.		Clarksville.		Corinth.		Greenville.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1.....	82	70	76	66	81	68	83	71	83	69	80	73	85	70	78	69	79	71	84	74	80	66	74	66	78	68	85	73
2.....	84	69	85	70	87	63	87	67	80	60	87	67	89	64	86	66	88	80	68	85	67	87	67	85	69	88	92	85
3.....	87	65	86	70	84	63	87	65	83	65	92	69	81	66	83	70	88	68	91	70	87	67	89	67	90	66	92	67
4.....	81	68	88	67	79	66	90	65	87	69	90	72	85	71	88	70	90	68	90	74	91	67	91	69	94	70	93	70
5.....	85	67	88	70	78	64	84	69	86	70	92	72	81	69	88	73	91	71	94	90	93	70	93	70	95	71	95	
6.....	82	69	87	70	90	67	86	69	93	60	92	74	97	72	92	72	94	72	96	75	90	70	94	70	86	66	95	74
7.....	86	72	91	74	90	69	91	71	94	60	94	72	97	74	94	75	96	72	97	75	95	73	94	67	95	73	97	
8.....	96	70	95	76	95	71	99	60	96	71	100	73	99	73	98	71	101	75	99	72	97	70	97	68	109	71	97	
9.....	95	69	96	78	95	72	97	72	98	60	99	72	100	76	102	77	102	73	101	75	98	76	100	73	97	67	109	
10....	95	71	96	79	96	70	99	84	97	70	98	75	102	76	97	79	100	75	100	77	97	75	97	73	96	74	99	75
11....	93	71	94	78	93	72	96	85	94	74	97	78	95	77	98	76	99	77	93	72	94	74	90	73	97	75	97	
12....	89	72	85	70	90	68	92	75	90	72	91	71	93	76	86	71	88	74	94	74	87	79	81	72	80	72	86	73
13....	84	70	85	72	89	68	84	71	77	71	90	72	85	74	80	71	88	72	90	75	85	72	83	70	86	72	86	
14....	82	71	81	74	85	69	79	69	88	73	89	74	91	71	87	72	88	68	97	76	83	73	86	70	86	73	86	
15....	83	70	85	73	87	67	84	75	86	74	84	72	92	73	77	71	80	73	85	71	85	71	86	71	87	72	87	
16....	91	70	90	73	85	69	91	70	87	74	87	72	85	76	87	74	90	72	86	74	90	72	92	72	94	70	93	73
17....	92	73	90	75	88	68	90	72	92	69	89	75	91	75	91	74	94	73	96	72	93	74	94	72	93	73	93	
18....	92	73	86	74	91	69	91	73	91	72	94	74	92	75	90	74	98	76	94	73	92	73	94	70	92	74	94	
19....	86	69	86	67	92	68	90	70	91	71	90	71	93	73	99	71	93	70	98	73	90	72	90	68	92	72	92	
20....	87	66	84	69	93	70	86	73	92	73	96	74	98	76	87	76	94	72	96	74	98	70	90	71	88	67	93	
21....	87	70	84	69	85	72	84	60	83	70	90	70	88	74	84	71	86	73	93	86	96	88	93	63	90	71	97	
22....	76	64	77	70	79	68	78	73	63	79	68	77	69	86	68	88	70	80	73	87	78	87	70	84	65	95	71	
23....	88	67	88	67	71	64	88	68	80	69	83	71	79	72	82	69	88	72	94	86	96	88	96	66	98	87	96	
24....	81	68	86	72	72	67	81	62	82	67	78	60	88	70	74	68	82	71	90	86	98	88	96	66	90	70	98	
25....	79	69	77	70	68	60	77	63	79	64	87	72	77	67	76	69	80	70	86	72	88	72	82	69	89	71	91	
Mns.	85.7	68.4	85.5	70.8	84.0	65.3	85.9 ^a	68.6 ^b	86.5	67.1	89.3	70.7	88.0	70.7	86.0	71.0	88.7	70.8	90.6	72.4	88.5 ^c	89.3	87.8	69.8	87.7	68.4	89.9	71.1

Date.	Mississippi.						Louisiana.												Shreveport.											
	Kosciusko.		Natchez.		Vicksburg.		Alexandria.		Baton Rouge.		Covington.		Lafayette.		Lake Charles.		Monroe.		New Orleans.		Robeline.		Schriever.		Shreveport.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1.....	86	70	87	72	86	70	90	70	92	68	92	73	89	73	91	69	84	72	89	76	87	72	91	71	87	69				
2.....	87	69	89	69	87	67	70	60	66	61	67	91	71	90	69	95	64	89	68	88	74	93	70	90	66	85				
3.....	91	66	92	70	91	70	94	66	92	68	92	69	93	69	94	65	92	72	91	74	97	61	94	70	92	71	97			
4.....	95	68	93	72	90	73	94	70	93	67	96	71	94	73	95	70	91	70	92	76	95	72	95	71	90	75	95			
5.....	94	70	93	73	91	73	96	71	95	67	95	72	94	74	94	70	94	75	94	76	96	72	95	72	92	73	95			
6.....	94	71	92	73	90	75	95	72	96	68	96	71	92	74	95	67	94	72	94	78	93	74	97	73	93	75	97			
7.....	95	70	94	73	92	75	95	70	96	69	96	72	93	72	96	69	97	74	93	77	96	74	97	72	94	74	97			
8.....	97	71	96	73	95	76	98	71	95	70	99	75	96	74	99	71	98	74	95	78	99	74	97	75	99	75	97			
9.....	98	73	97	72	96	76	99	72	97	70	102	75	99	76	101	72	102	75	97	74	100	70	101	75	102	76	98			
10....	97	73	98	71	98	76	99	73	97	71	99	72	99	69	97	68	102	76	93	76	98	70	97	68	100	79	97			
11....	89	72	94	72	92	75	97	71	95	72	95	73	95	73	97	71	102	73	89	77	97	70	92	72	96	76	97			
12....	75	71	86	71	80	72	89	70	91	72	92	73	93	72	96	71	85	78	88	75	96	69	91	74	90	73	93			
13....	83	71	84	74	84	74	88	70	88	72	81	74	90	73	91	71	92	74	80	72	92	68	78	74	94	72	94			
14....	85	72	88	72	84	73	92	70	90	71	91	73	90	74	92	70	89	74	91	71	92	70	94	73	95	72	94			
15....	89	71	89	72	87	73	92	71	92	71	88	72	94	73	94	68	88	73	95	75	95	70	90	71	93	72	95			
16....	92	71	92	74	87	74	90	73	94	72	90</td																			